

# Krish Patel

Project Portfolio: [krishp03.github.io](https://krishp03.github.io)

Github: [github.com/krishp03](https://github.com/krishp03)

LinkedIn: [linkedin.com/in/krishpatel2003](https://linkedin.com/in/krishpatel2003)

## EDUCATION

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### RUTGERS UNIVERSITY

New Brunswick, NJ

B.S. Computer Science; Data Science Minor, September 2021 - January 2024

GPA: 4.0/4.0

- **Relevant Coursework:** CS 112: Data Structures, CS 205 & 206: Discrete Structures I & II, MATH 250C: Introduction To Linear Algebra with MATLAB, CS 211: Computer Architecture, CS 142: Data 101

## PROJECTS

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### POST-WORKOUT

- Designed and implemented a simple social media app that allows users to post descriptions of their workouts and diets
- Applied Firebase authentication and realtime database, as well as HTML/CSS/JavaScript

### SLIDING PUZZLE SOLVER

- Created an 8 Puzzle Solver in Java as a part of Princeton's Algorithms course on Coursera
- Re-implementing the project using TypeScript/JavaScript and adding a GUI that allows users to input their puzzle, and then displaying the most efficient solution to the puzzle
- Applied various data structures and algorithms, such as binary heaps, priority queues, and the A\* Search algorithm

## EXPERIENCE / PROGRAMS

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### GOOGLE

Mountain View, CA

CSSI: Online Participant

July 2021 – August 2021

- Completed an introductory project-based JavaScript and Firebase curriculum taught by Google engineers
- Configured 2 individual coding projects in JavaScript by using concepts such as variables, data types, and functions, and a collaborative final project using JavaScript, Firebase, HTML/CSS
- Delivered a collaborative final project presentation and live demonstration to Google employees and community leaders

### PRINCETON UNIVERSITY

Princeton, NJ

Dual Enrollment Student

August 2020 - May 2021

- **Relevant Coursework:** COS 126: Computer Science: An Interdisciplinary Approach, COS 217: Introduction to Programming Systems

### STANFORD UNIVERSITY

Palo Alto, CA

Summer Session Participant

June 2020 – August 2020

- Participated in a program for high-achieving high school upperclassmen virtually
- **Relevant Coursework:** CS 103: Mathematical Foundations of Computing (Discrete Math)

## LEADERSHIP

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### FRC TEAM 1403

Design Lead

June 2019 – June 2021

- Directed the CAD, 3D-Printing, Animation, VR, and CNC subteams (20 members total) of an award-winning FRC team
- Helped the team win 2 district-level awards and 1 competition-level award during my time as a captain
- Implemented documentation procedures that improved efficiency and collaboration between subteams

### GOOGLE DEVELOPER STUDENTS CLUB

Technical Lead

August 2021 – Present

- Selected to be the technical lead of Rutgers' chapter of the Google Developer Student Clubs as a freshman
- In charge of teaching/organizing events to teach other students about Google technologies such as Firebase, Flutter, TensorFlow, etc

## SKILLS

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- Programming: Java, C, TypeScript, Python, JavaScript, HTML/CSS, ARM64 Assembly
- Tools/Technologies: Git/Github, Firebase, Flutter
- Design/Manufacturing: Autodesk Inventor, Autodesk Fusion 360 (CAD and CNC Toolpathing)